

### 851-005 Crimp Lugs

TURBOFLEX CRIMP TERMINAL LUGS



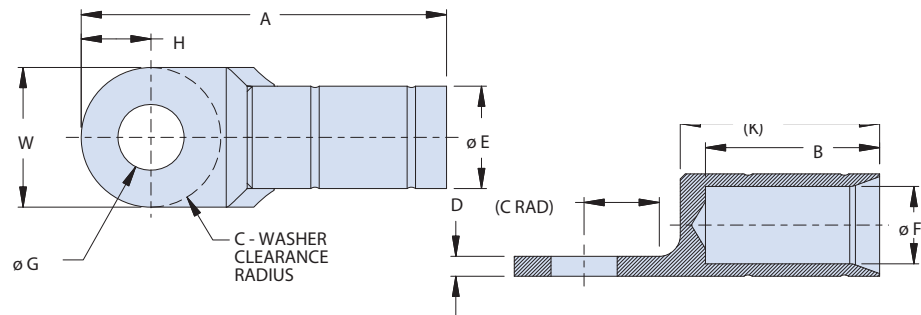
#### FEATURES

- Glenair 851 Series crimp terminal lugs are constructed from precision-machined high-conductivity copper alloy, purpose-built to fit TurboFlex high-flexibility power distribution cable
- Performance far exceeds commonly-used stamped and formed mil spec lugs

#### MATERIAL SPECIFICATIONS

Lug material: High-conductivity copper alloy  
 Finish: Tin plate per ASTM B545 or Nickel plate per AMS2403, AMS 2404, or AMS2424

HOW TO ORDER					
<b>Sample Part Number</b>	851-005	C	164	-CUSN	-1
<b>Basic Part Number</b>	Crimp Terminal Lugs for TurboFlex cable				
<b>AWG Code / Size</b>	See Size Code table				
<b>Nominal Stud Size Dash No.</b>	See Dimensions table				
<b>Material / Finish</b>	CUSN = Copper / Tin (max. temperature 175°C) CUNI = Copper / Nickel (max. temperature 260°C)				
<b>Autoshrink Option</b>	Add dash no. to include Autoshrink (See Tables). Omit for lug only.				



COPPER TERMINAL CRIMP TOOL AND DIE SET				
Lug Size	AS5259/1	AS5259/4	AS5259/3	AS5259/5
	Crimping Head* Die Set	Crimping Head* Die Set	Crimping Tool Die Set	Crimping Tool Die Set
12-10	See note below**			
8	MS90485-8	M5259/7-001	MS90485-8	M5259/7-001
6	MS90485-6	M5259/7-002	MS90485-6	M5259/7-002
4	MS90485-4	M5259/7-003	MS90485-4	M5259/7-003
2	MS90485-2	M5259/7-004	MS90485-2	M5259/7-004
0	MS90485-01	M5259/7-006	MS90485-01	M5259/7-006
00	MS90485-02	M5259/7-007	MS90485-02	M5259/7-007
000	MS90485-03	N/A	N/A	N/A
0000	MS90485-04	N/A	N/A	N/A

\*Requires Pump per AS5259/2.

Removal or cutting off of flash after crimping will result in exposed base metal. Glenair Autoshrink may be applied over the crimp barrel and wire, to environmentally protect exposed area. (see How to Order for Autoshrink option)

\*\*Crimp size 12-10 lugs using tool M22520/38-01, cavity c, yellow (12 or 10awg wire).

AUTOSHRINK DASH NO.	
Code	Color
-0	Black
-1	Brown
-2	Red
-3	Orange
-4	Yellow
-5	Green
-6	Blue
-7	Violet
-8	Gray
-9	White

AUTOSHRINK BASE PART NUMBER		
Terminal Base	Base P/N (Ref.)	
12-10	12	777-035-0080-1
	10	777-035-0125-1
8		777-035-0156-1.5
6		777-035-0156-1.5
4		777-035-0250-2
2		777-035-0250-2
0		777-004-02-2
00		777-004-02-2
000		777-004-02-3
0000		777-004-02-3

SIZE CODE									
Terminal Size	12-10	8	6	4	2	0	00	000	0000
AWG Code	B	C	D	E	F	G	H	I	J

WIRE STRIP LENGTH									
Terminal Size	12-10	8	6	4	2	0	00	000	0000
Strip Length	.51 (12.95)	.70 (17.78)	.75 (19.05)	.87 (22.10)	1.03 (26.16)	1.09 (27.69)	1.21 (30.73)	1.42 (36.07)	1.62 (41.15)



## 851-005 Crimp Lugs

DIMENSIONS														
Stud Size Dash No.	Wire Size	Stud Size	A Max	B Min	C Min Rad	D		Ø E O.D.	Ø F I.D.	G		W & H*		[K]
						Max	Min			Max	Min	Max	Min	
190	12-10	10 [.190]	.991 (25.17)	.443 (11.25)	.172 (4.37)	.080 (2.03)	.060 (1.52)	.235 (5.97)	.145 (3.68) .135 (3.43)	.203 (5.16)	.193 (4.90)	.391 (9.93)	.365 (9.27)	[.52]
312	12-10	5/16 [.312]	1.184 (30.07)	.443 (11.25)	.296 (7.52)	.080 (2.03)	.060 (1.52)	.235 (5.97)	.145 (3.68) .135 (3.43)	.338 (8.59)	.323 (8.20)	.547 (13.89)	.485 (12.32)	(.52)
375	12-10	3/8 [.375]	1.241 (31.52)	.443 (11.25)	.328 (8.33)	.080 (2.03)	.060 (1.52)	.235 (5.97)	.145 (3.68) .135 (3.43)	.400 (10.16)	.385 (9.78)	.598 (15.19)	.536 (13.61)	(.52)
164	8	8 [164]	1.284 (32.61)	.633 (16.08)	.234 (5.94)	.084 (2.13)	.064 (1.63)	.285 (7.24)	.183 (4.65) .173 (4.39)	.178 (4.52)	.168 (4.27)	.429 (10.90)	.386 (9.80)	[.72] (18.29)
190	8	10 [.190]	1.284 (32.61)	.633 (16.08)	.234 (5.94)	.084 (2.13)	.064 (1.63)	.285 (7.24)	.183 (4.65) .173 (4.39)	.203 (5.16)	.193 (4.90)	.429 (10.90)	.386 (9.80)	[.72] (18.29)
250	8	1/4 [.250]	1.340 (34.04)	.633 (16.08)	.265 (6.73)	.084 (2.13)	.064 (1.63)	.285 (7.24)	.183 (4.65) .173 (4.39)	.275 (6.99)	.260 (6.60)	.478 (12.14)	.435 (11.05)	[.72] (18.29)
375	8	3/8 (.375)	1.451 (36.86)	.633 (16.08)	.328 (8.33)	.084 (2.13)	.064 (1.63)	.285 (7.24)	.183 (4.65) .173 (4.39)	0.400 (10.16)	0.385 (9.78)	.590"	0.547 (13.89)	(.72")
250	6.	1/4 (0.250)	1.492 (37.90)	.680 (17.27)	.265 (6.73)	.084 (2.13)	.064 (1.63)	.347 (8.81)	.225 (5.72) .215 (5.46)	0.275 (6.99)	0.260 (6.60)	0.503 (12.78)	0.460 (11.68)	(.80")
375	6	3/8 (0.375)	1.615 (41.02)	.680 (17.27)	.328 (8.33)	.084 (2.13)	.064 (1.63)	.347 (8.81)	.225 (5.72) .215 (5.46)	0.400 (10.16)	0.385 (9.78)	0.623 (15.82)	0.580 (14.73)	(.80")
190	4	10 [.190]	1.715 (43.56)	.800 (20.32)	.276 (7.01)	.096 (2.44)	.076 (1.93)	.438 (11.13)	.297 (7.54) .287 (7.29)	.203 (5.16)	.193 (4.90)	.628 (15.95)	.580 (14.73)	[.95] (24.13)
250	4	1/4 [.250]	1.715 (43.56)	.800 (20.32)	.276 (7.01)	.096 (2.44)	.076 (1.93)	.438 (11.13)	.297 (7.54) .287 (7.29)	.275 (6.99)	.260 (6.60)	.628 (15.95)	.580 (14.73)	[.95] (24.13)
312	4	5/16 [.312]	1.760 (44.70)	.800 (20.32)	.308 (7.82)	.096 (2.44)	.076 (1.93)	.438 (11.13)	.297 (7.54) .287 (7.29)	.338 (8.59)	.323 (8.20)	.648 (16.46)	.605 (15.37)	[.95] (24.13)
375	4	3/8 [.375]	1.780 (45.21)	.800 (20.32)	.328 (8.33)	.096 (2.44)	.076 (1.93)	.438 (11.13)	.297 (7.54) .287 (7.29)	.400 (10.16)	.385 (9.78)	.648 (16.46)	.605 (15.37)	[.95] (24.13)
312	2	5/16 [.312]	2.002 (50.85)	.960 (24.38)	.343 (8.71)	.109 (2.77)	.089 (2.26)	.532 (13.51)	.371 (9.42) .361 (9.17)	.338 (8.59)	.323 (8.20)	.711 (18.06)	.668 (16.97)	[1.13] (28.70)

\*H Max and Min dimensions shall be one half of the W Max and Min dimensions, respectively.

TURBOFLEX CRIMP TERMINAL LUGS



## 851-005 Crimp Lugs

DIMENSIONS (CONT.)														
Stud Size Dash No.	Wire Size	Stud Size	A Max	B Min	C Min Rad	D		Ø E.O.D.	Ø F.I.D.	G		W & H*		[K]
						Max	Min			Max	Min	Max	Min	
375	2	3/8 [.375]	2.002 (50.85)	.960 (24.38)	.343 (8.71)	.109 (2.77)	.089 (2.26)	.532 (13.51)	.371 (9.42) .361 (9.17)	.400 (10.16)	.385 (9.78)	.711 (18.06)	.668 (16.97)	[1.13] (28.70)
437	2	7/16 [.437]	2.153 (54.69)	.960 (24.38)	.453 (11.51)	.109 (2.77)	.089 (2.26)	.532 (13.51)	.371 (9.42) .361 (9.17)	.463 (11.76)	.448 (11.38)	.804 (20.42)	.740 (18.80)	[1.13] (28.70)
375	0	3/8 [.375]	2.207 (56.06)	1.018 (25.86)	.418 (10.62)	.125 (3.18)	.105 (2.67)	.615 (15.62)	.466 (11.84) .456 (11.58)	.400 (10.16)	.385 (9.78)	.853 (21.67)	.810 (20.57)	[1.19] (30.23)
437	0	7/16 [.437]	2.267 (57.58)	1.018 (25.86)	.453 (11.51)	.125 (3.18)	.105 (2.67)	.615 (15.62)	.466 (11.84) .456 (11.58)	.463 (11.76)	.448 (11.38)	.903 (22.94)	.860 (21.84)	[1.19] (30.23)
500	0	1/2 [.500]	2.267 (57.58)	1.018 (25.86)	.453 (11.51)	.125 (3.18)	.105 (2.67)	.615 (15.62)	.466 (11.84) .456 (11.58)	.525 (13.34)	.510 (12.95)	.903 (22.94)	.860 (21.84)	[1.19] (30.23)
375	00	3/8 [.375]	2.436 (61.87)	1.141 (28.98)	.473 (12.01)	.129 (3.28)	.109 (2.77)	.691 (17.55)	.523 (13.28) .513 (13.03)	.400 (10.16)	.385 (9.78)	.956 (24.28)	.913 (23.19)	[1.31] (33.27)
437	00	7/16 [.437]	2.436 (61.87)	1.141 (28.98)	.473 (12.01)	.129 (3.28)	.109 (2.77)	.691 (17.55)	.523 (13.28) .513 (13.03)	.463 (11.76)	.448 (11.38)	.956 (24.28)	.913 (23.19)	[1.31] (33.27)
500	00	1/2 [.500]	2.436 (61.87)	1.141 (28.98)	.473 (12.01)	.129 (3.28)	.109 (2.77)	.691 (17.55)	.523 (13.28) .513 (13.03)	.525 (13.34)	.510 (12.95)	.956 (24.28)	.913 (23.19)	[1.31] (33.27)
375	000	3/8 [.375]	2.752 (69.90)	1.348 (34.24)	.513 (13.03)	.140 (3.56)	.120 (3.05)	.775 (19.68)	.588 (14.94) .578 (14.68)	.400 (10.16)	.385 (9.78)	1.053 (26.75)	1.010 (25.65)	[1.54] (39.12)
437	000	7/16 [.437]	2.752 (69.90)	1.348 (34.24)	.513 (13.03)	.140 (3.56)	.120 (3.05)	.775 (19.68)	.588 (14.94) .578 (14.68)	.463 (11.76)	.448 (11.38)	1.053 (26.75)	1.010 (25.65)	[1.54] (39.12)
500	000	1/2 [.500]	2.752 (69.90)	1.348 (34.24)	.513 (13.03)	.140 (3.56)	.120 (3.05)	.775 (19.68)	.588 (14.94) .578 (14.68)	.525 (13.34)	.510 (12.95)	1.053 (26.75)	1.010 (25.65)	[1.54] (39.12)
375	0000	3/8 [.375]	3.053 (77.55)	1.547 (39.29)	.560 (14.22)	.150 (3.81)	.130 (3.30)	.865 (21.97)	.656 (16.66) .646 (16.41)	.400 (10.16)	.385 (9.78)	1.148 (29.16)	1.095 (27.81)	[1.75] (44.45)
437	0000	7/16 [.437]	3.053 (77.55)	1.547 (39.29)	.560 (14.22)	.150 (3.81)	.130 (3.30)	.865 (21.97)	.656 (16.66) .646 (16.41)	.463 (11.76)	.448 (11.38)	1.148 (29.16)	1.095 (27.81)	[1.75] (44.45)
500	0000	1/2 [.500]	3.053 (77.55)	1.547 (39.29)	.560 (14.22)	.150 (3.81)	.130 (3.30)	.865 (21.97)	.656 (16.66) .646 (16.41)	.525 (13.34)	.510 (12.95)	1.148 (29.16)	1.095 (27.81)	[1.75] (44.45)

\*H Max and Min dimensions shall be one half of the W Max and Min dimensions, respectively.